

19980902.qrp v01\_n202.qrs.980902

Date: Wed, 2 Sep 1998 19:03:10 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 1202

QRP-L Digest 1202

Topics covered in this issue include:

- 1) [19070] Dat big ant  
by jdenison@morelr.com (JOEL DENISON)
- 2) [19071] Re: Heathkit Transistors  
by "George T. Baker" <w5yr@swbell.net>
- 3) [19072] Solar Flux=177!  
by Paul Harden <pharden@aoc.nrao.edu>
- 4) [19073] Bobtail Curtain ant - learning exp.  
by "Bill Todd" <bill@willapabay.org>
- 5) [19074] Source for SMT components...  
by "Radman" <radman@best.com>
- 6) [19075] 4AH Gel Cells for \$17.45...  
by "Radman" <radman@best.com>
- 7) [19076] Re: Greyline contest  
by urolab@ix.netcom.com
- 8) [19077] Heathkit AR-3 rx?  
by The Boices <boice@bigfoot.com>
- 9) [19078] Antenna Help  
by Zenith9zn@aol.com
- 10) [19079] For sale- Argonaut 515  
by "Charles L. Stackhouse" <cstack@safelink.net>
- 11) [19080] For sale- Curtis keyer  
by "Charles L. Stackhouse" <cstack@safelink.net>
- 12) [19081] Gear for sale, prices lowered  
by Scott Bauer <ke3nv@erols.com>
- 13) [19082] Re: Antenna Help  
by w4bws@juno.com (Donald E Sanders)
- 14) [19083] Re: TenTec Transverter ??  
by "Alyn Backe" <ve6bpr@cnn.net>
- 15) [19084] Re: disrespecting collectors...  
by Ab7wy@aol.com
- 16) [19085] Re: Bobtail Curtain ant - learning exp.  
by "Bill Todd" <bill@willapabay.org>
- 17) [19086] Re: Information about sending items from USA to Spain -> THANKS  
by "Juan A. Bertolin" <ea5xq@qsl.net>
- 18) [19087] Re: Bobtail Curtain ant - learning exp.  
by "Randy Jouett" <nop@swbell.net>
- 19) [19088] FS: MFJ 9020 Price REDUCED!!

by jalbertin@juno.com (Jerry Albertin)

20) [19089] FISTS what is it  
by bob evinger <revinger@marshallonline.com>

21) [19090] DOUBLE BAZOOKA?  
by ARDUJENSKI@aol.com

22) [19091] mobile  
by "Jeff M. Gold" <JGold@tntech.edu>

23) [19092] Delay lines  
by Paolo Sassoli <Paolo.Sassoli@italtel.it>

24) [19093] RE: Polyvaricon Capacitor  
by "Karl Kanalz - Dallas" <kkanalz@optelinc.com>

25) [19094] Re: HB: Building Frenzy.....  
by Zack Lau <zlau@arrl.org>

26) [19095] RE: Delay lines  
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>

27) [19096] TenTec Transverter  
by wj5o@juno.com (William H. Hays)

28) [19097] Re: Delay lines  
by Arthur Moe <kb7ww@chatusa.com>

29) [19098] Re: Polyvaricon Capacitor  
by "Vincent Ferme" <vferme@sprint.ca>

30) [19099] Re: Polyvaricon Capacitor  
by "Karl Kanalz - Dallas" <kkanalz@optelinc.com>

31) [19100] Qrp balun design  
by Alen Mitrovic <alenm@hermes.si>

32) [19101] Re: Polyvaricon Capacitor  
by mikerice@abtcorp.com (Mike Rice)

33) [19102] Bobtail (rotate it)  
by w4pj@w4bkx.ampr.org

34) [19103] Re: Polyvaricon Capacitor  
by "Dan Hanson" <kd6rxz@hotmail.com>

35) [19104] Re: Polyvaricon Capacitor  
by Steven Weber <kd1jv@moose.ncia.net>

36) [19105] Building Station Table -- Works for me.  
by Ed Loranger <we6w@qsl.net>

37) [19106] Re: Polyvaricon Capacitor  
by "Michael A. Gipe" <mgipe@reliablemeters.com>

38) [19107] Re: Polyvaricon Capacitor  
by neil <neil@aaade.com>

39) [19108] Re: Building Station Table -- Works for me.  
by Ed Loranger <we6w@qsl.net>

40) [19109] Solar flux alert ... 20M is HOT  
by Allan Taylor K7GT <k7gt@qsl.net>

41) [19110] Re: Polyvaricon Capacitor  
by marion@montana.com

42) [19111] RE: Qrp balun design  
by Tracy@bytemark.com (Tracy)

43) [19112] Re: FISTS what is it

by DNT1@chrysler.com

44) [19113] Re: Solar flux alert ... 20M is HOT  
by RangerSF5@aol.com

45) [19114] Re: Polyvaricon Capacitor  
by "Edward A Kwik jr" <eakwikjr@hti.com>

46) [19115] QRP AField Rules  
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>

47) [19116] Re: QRP AField Rules  
by Paul Harden <pharden@aoc.nrao.edu>

48) [19117] Compaq Presario Problems  
by Chris Trask <ctrask@primenet.com>

49) [19118] 11-2-10  
by Ronald\_A\_Pfeiffer@res.raytheon.com

50) [19119] 20 meter rig needed  
by Armstrongs <barmstrong@mail.SISNA.com>

51) [19120] How to cut enclosure?  
by Chris Cieslak <ccieslak@LAW.UIUC.EDU>

52) [19121] Re: Qrp balun design  
by gsurrency@juno.com (Gary L Surrency)

53) [19122] For Sale: Unbuilt HW-9 Set  
by RobCap@aol.com

54) [19123] Re: Polyvaricon Capacitor  
by "Harvey D. D. Hetland" <n6mm@earthlink.net>

55) [19124] For Sale: Unbuilt Heath HW-8 Set  
by RobCap@aol.com

56) [19125] RE: How to cut enclosure?  
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>

57) [19126] Re: Polyvaricon Capacitor  
by "Doug Hauff" <slmachco@fix.net>

58) [19127] For Sale: A very silly unbuilt Heathkit  
by RobCap@aol.com

59) [19128] Re: Polyvaricon Capacitor  
by "Doug Hauff" <slmachco@fix.net>

60) [19129] RE: Polyvaricon Capacitor  
by "Randy Moore" <wr.moore@worldnet.att.net>

61) [19130] Re: Polyvaricon Capacitor  
by "Brad Hernlem" <alihernlem@hotmail.com>

62) [19131] Re: How to cut enclosure?  
by David Fouchey <dafouche@jax-inter.net>

63) [19132] For Sale: Unbuilt Heath Color TV  
by RobCap@aol.com

64) [19133] For Sale: Rare Unbuilt Heath SA-5010 Micromatic Keyer  
by RobCap@aol.com

65) [19134] WTB-Older Kenwood Batteries  
by Ronald\_A\_Pfeiffer@res.raytheon.com

66) [19135] Re: altturnative power generation  
by nilsbull@juno.com (Nils R Young)

67) [19136] Book & Stuff

- by "James Fielden" <fielden@utkux.utcc.utk.edu>
- 68) [19137] For Sale: Unbuilt Heathkit VLF Converter  
by RobCap@aol.com
- 69) [19138] Re: 20 meter rig needed  
by nhoop@centuryinter.net (N H)
- 70) [19139] Low Power  
by "Brian Tesseneer" <tesseneerbh@coastalnet.com>
- 71) [19140] RE: altunative power generation  
by cy r currier <crc3@telplus.net>
- 72) [19141] More on "polyvaricon"  
by "Brad Hernlem" <alihernlem@hotmail.com>
- 73) [19142] What's available 40 Mtr QRP (WTB) & R/S Deal!  
by Mike Souhrada <wb9iog@revealed.net>
- 74) [19143] [CQ-Contest] CQ 160 committee issues (3) (fwd)  
by Monte Stark <ku7y@dri.edu>
- 75) [19144] Thanks N9WR !!  
by "Beaks" <beaks@westco.net>
- 76) [19145] Re: Qrp balun design  
by n2tpa@juno.com (Bill d Lazure)
- 77) [19146] Unbuilt SK-107 is Gone  
by RobCap@aol.com
- 78) [19147] HW-8 Kit is Gone  
by RobCap@aol.com
- 79) [19148] NERDS Antennas-KISS  
by "James R. Duffey" <ji3m@maxwell.com>

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Date: Tue, 1 Sep 1998 19:20:39 -0500 (CDT)  
From: jdenison@morelr.com (JOEL DENISON)  
To: qrp-l@Lehigh.EDU  
Subject: [19070] Dat big ant  
Message-ID: <199809020020.TAA07802@ns1.morelr.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

High guys:

Thought u might like this:

I was passing my antenna farm... I was on main street, on top of the hill, behind the house, and I looked over at my antenna, that looks so high from my driveway, only to see that it was just a few feet above main street... read that... ground level...:-)

I guess going east of south won't be easy from here... :-)  
However let me tell u guys this quad sure is picking up all kinds of signals... I won't be able to add the second director toward europe but will get the elements .2 wavelength from each other... Gee, I hope this is the last one I build for a while... this one has really been a project... I have the director for it next to me in the shack, and I found enough wire to make the

driven element... so maybe tomorrow I can install the "that away" part and get it as lined up as I can...

Time to do some kayaking or canoeing or something... recuperating sure is debilitating... :-) I want to feel something on the other end of my rod and reel that isn't a tree... :-)

anybody need maine (in the lower 47) on twenty, I should be able to do it for u...

God Bless

joel wa5cvm, in maine, looking skyward...

WA5CVM

Joel Denison

PO BOX 542

4-element Wire/Rope This & That away quad for 20mtrs

Strong, Maine 04983

Gentle Lady R C sailplane

jdenison@morelr.com

eighty meter inverted vee up 50ft

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Date: Tue, 01 Sep 1998 19:49:47 -0500

From: "George T. Baker" <w5yr@swbell.net>

To: K2UD@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [19071] Re: Heathkit Transistors

Message-ID: <35EC962B.8D286754@swbell.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Sure hope you saved that smoke for emergency repairs.

72/73, George

Amateur Radio W5YR, now in the 53rd year!

AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) 33.2 N 96.6 W EM13RE

QRP-L 1373 QRP-ARCI 9583 FISTS 4930 ARS 403 ICQ 16819496 10-X 11771

K2UD@aol.com wrote:

>

> I let the smoke out of two transistors in my IP-18 Regulated Power Supply.

-----  
Date: Tue, 1 Sep 1998 19:08:02 -0600 (MDT)

From: Paul Harden <pharden@aoc.nrao.edu>

To: qrp-l@Lehigh.EDU

Subject: [19072] Solar Flux=177!

Message-ID: <Pine.SOL.3.91.980901185708.17573A-1000000@zia>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Over the past few days, the sun continues to produce C and low level M-class flares. However, the magnetic complexities of 3 of the regions make the solar forecasters believe there could be a major flare event over the next three days. For now, fairly quiet.

THE GOOD NEWS IS THE SOLAR FLUX IS 177!

This is the highest solar flux so far this solar cycle (I believe). As a general rule of the thumb, 10 and 15M support communications with a solar flux around 150 or higher, and indeed, the higher bands are open.

The geomagnetic field is unsettled, with occasional active periods. This is a good window right now if you want to play with low power DX on the upper bands ... a high solar flux, and fairly quiet geomagnetic field.

The solar wind is still about 600 km/sec. with fairly dense electron flows ... just meaning it is still exerting pressure on our magnetic field to keep conditions just a bit noisy. This will effect mostly the lower bands, particularly 40M.

Background x-ray radiation is high, along with other factors, could be pointing to a major flare event in the near future, possibly triggering more spectacular auroral activity.

72, Paul NA5N

-----  
Date: Tue, 1 Sep 1998 18:28:48 -0700  
From: "Bill Todd" <bill@willapabay.org>  
To: <nwq-1@scn.org>  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [19073] Bobtail Curtain ant - learning exp.  
Message-ID: <008701bdd611\$0ce404a0\$3c5233d1@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello gang(s) -

Well, NOW I know that a Bobtail Curtain antenna is directional broadside, which is great. The only problem with this discovery is that my antenna support system is set up so that I have a straight line aiming towards Florida between my ONLY tree and a small tower.

So, my new 20 meter Bobtail is great for working into Alberta and the South Pacific (hi). All you QRPers in Alberta and the South Pacific are great people (don't get me wrong), but my intention is/was to build a directional antenna that would cover the greatest land mass in the good old US of A.

Actually, this Bobtail is demonstrating a pretty good front to back ratio. I was listening to a station in Georgia on 20 meters that was coming in here at about a S-6 on my dipole. When I switched to the Bobtail, the reading went down to a S-2.

Now, if only I had that kind of transmitting signal strength difference in the direction I desire, I could live with that (ha ha).

CUL, Bill-N7MFB

PS - I will keep the measurements on this Bobtail, and reassemble it for NERDS - assuming of course I have trees in the right spot - oh well....

<http://www.willapabay.org/~bill>  
ICQ me @ 8926298

-----  
Date: Tue, 1 Sep 1998 18:38:58 -0700  
From: "Radman" <radman@best.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [19074] Source for SMT components...  
Message-ID: <199809020135.SAA25505@proxy3.ba.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Gang,

Some folks were inquiring about where / how to order SMT components. Halted Specialties Co, Santa Clara, CA has a decent inventory of SMT resistors and caps. They'll ship minimum "pulls" of 10pcs of any one value. (Common resistors are only 3 cents each!) They have a \$10 minimum order.

URL: <http://www.halted.com/>  
Phone: 1-800-4-HALTED

They ship all over the world via UPS.  
(Some trade restrictions re:  
intellectual property apply to China).  
They take plastic charge cards of most  
flavors. Check out their on-line  
catalog in PDF format.

If you don't have web access, give 'em  
a call and you can probably work it out  
over the phone / email or FAX.

(no relation to Halted... just a happy  
customer... :-)

GL -- 72 - Conrad Weiss - NN6CW

-----  
Date: Tue, 1 Sep 1998 18:49:43 -0700  
From: "Radman" <radman@best.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [19075] 4AH Gel Cells for \$17.45...  
Message-ID: <199809020147.SAA09469@proxy3.ba.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Gang,

Halted Specialty Co, Santa Clara, CA  
has \*new\* 12V, 4.0AH gel cell batts.  
Dimensions (approx): 3.25"W x 2.75"L x  
4.25"H. (sry I don't know the weight.)  
Manufacturer: "Powersonic"  
Country of manufacture: Mexico  
Price: \$17.45 (US)

Contact: 1-800-4-HALTED  
URL: <http://www.halted.com/>

Sorry don't have the part #... order



desk will have it.

(no relation to Halted... just a happy  
customer....)

GL - 72 - Conrad Weiss - NN6CW

-----  
Date: Tue, 1 Sep 1998 21:51:15 -0500 (CDT)  
From: urolab@ix.netcom.com  
To: qrp-1@lehigh.edu  
Subject: [19076] Re: Greyline contest  
Message-ID: <1998912250636334@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

1. You will need a Holy Dispensation for approval of a 30m contest.
2. You will have to provide the software for download to put my spreadsheet in to calculate the score. Better yet, provide the contest logging software to both log AND e-mail log to you so YOUR program can calculate the score. ;-)

WB4DTC  
Dave

-----  
Date: Tue, 01 Sep 1998 21:34:51 -0500  
From: The Boices <boice@bigfoot.com>  
To: qrp-1@Lehigh.EDU  
Subject: [19077] Heathkit AR-3 rx?  
Message-ID: <3.0.5.32.19980901213451.007aac10@mailbox.arn.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Found a Heathkit AR-3 receiver today in our wind turbine junk building.  
Don't know where it came from, but was curious if anyone remembered one?  
It has the frequency face plate, but no other markings.

73,

Mike  
KM5PE, Canyon TX  
QRP-L # 576

-----  
Date: Tue, 1 Sep 1998 23:23:48 EDT  
From: Zenith9zn@aol.com  
To: qrp-l@lehigh.edu  
Subject: [19078] Antenna Help  
Message-ID: <744b18fc.35ecba44@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hello, I got my Ten Tec Tkit 1340 ready to roll, but am comteplating what to do about a antenna. I am fortunate to live in one of those neighborhoods where outdoor antennas are a no-no. I have a one story home with the peak in the attic about 20 feet above ground. I also have one of the concrete tiled roofs. What will that do if my antenna is in the attic? Should I make a portable antenna to put up only when in use (Inverted V)? I am looking for any comments you may have. Thx for your help. 73"s John KB4UTV Gilbert, Arizona PS I want to keep this as simple and cheap as possible.

-----  
Date: Tue, 1 Sep 1998 21:58:29 -0600  
From: "Charles L. Stackhouse" <cstack@safelink.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [19079] For sale- Argonaut 515  
Message-ID: <19980902040615536.AAJ75@safelink.safelink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I have for sale a Ten-Tec Argonaut 515 (serial number 0659). Works great. Last used for the April 1998 QRPTTF contest. No scratches. No modifications of which I am aware. The dial cord slips a little when it sits unused for a few weeks but works fine after tuning up and down a little. Includes manual, mike, Ten-Tec 206 crystal calibrator, and Ten-Tec Model 210 power supply.

I would like \$450 firm plus shipping for the rig as is. If there are no takers I will send to Ten-Tec for dial cord rebuild and will then ask more for the rig.

73, Charlie WA2IPZ QRP-L 362  
Burley, ID 83318

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Date: Tue, 1 Sep 1998 22:01:24 -0600  
From: "Charles L. Stackhouse" <cstack@safelink.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [19080] For sale- Curtis keyer  
Message-ID: <19980902040615536.AAK75@safelink.safelink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I have a Curtis 8044abm keyer chip on the FAR circuit board all wired and working. It has 8 resistors, 5 capacitors, one diode, a 2n4401 keying transistor, and a speed pot. It works fine but has sat here for 4 years waiting to go into a rig. I am willing to part with it for \$20 shipped.

73, Charlie WA2IPZ QRP-L 362

-----  
Date: Wed, 02 Sep 1998 00:06:25 -0400  
From: Scott Bauer <ke3nv@erols.com>  
To: qrp-l@Lehigh.EDU  
Subject: [19081] Gear for sale, prices lowered  
Message-ID: <199809020406.AAA13250@smtp3.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi gang,

I wish to thank all who recently bought gear from me. There was a lot sold, but below are the leftovers. I have reduced the prices on all.

Each item is in new condition and BARELY used unless noted.

All have manuals

I am going to use the money for the new M-1 kit.

Ten Tec 1330 30 meter rig, built. reduced to \$70.00 shipped  
Ten Tec 1340 40 meter rig, built reduced to \$70.00 shipped  
GM-20 in a lansing cabinet w 10 turn tuning pot \$70.00 shipped  
St Louis Tuner, painted, some chips and scratches, unmodified, \$50.00 shipped

OHR SCAF filter \$40.00 shipped  
Tejas variable audio filter \$20.00 shipped  
Tejas/ Curtis Keyer kit, unbuilt with Curtis chip \$25.00 shipped

By the way, some of my fellow QRPers on the list are wondering if I am selling out of QRP... No Way!!! I still have tons of gear but I'm keeping it ;-))

Sorry for the bandwidth, Im done now.

72, Scott w3cv

-----  
Date: Wed, 2 Sep 1998 00:08:04 -0400  
From: w4bws@juno.com (Donald E Sanders)  
To: Zenith9zn@aol.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [19082] Re: Antenna Help  
Message-ID: <19980902.000821.21246.1.W4BWS@juno.com>

John, I used an attic antenna at my last house and it worked fine with the tile roof. You may also check your roof peak and see if they have a ridge vent system. That can be fed with a wire from a single wire antenna tuner if you put a sheet metal screw (stainless preferred) through the overlaps to assure continuity.

Of course if you have one of those typical long houses you can fit a 40 meter wire along the roof peak center fed with 450 ladderline and operate 80 thru 10. Or if your really adventurous, put a 40 meter loop around the perimeter of your roof fed at the peak fed with ladder line.

I have used a low level loop several times with good(not fantastic)results. I have also fed the rain gutters with good results. The tile roofs will hide a lot of "stuff". You can get a piece of plastic pipe that fits over your vent pipes and "sneak" a 2 meter vertical dipole inside it. It just looks like a vent pipe. Using a handheld you can be a "real QRPper".

And if you are really tough, you can put a flag pole on the end on your house made of aluminum tubing(pipe ?) and fed it from your tuner. Don't forget the pully at the top and the rope- have to make it look good you know.

Donald E. Sanders W4BWS  
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937  
407-779-0222 Fax 407-779-0830  
E-mail to w4bws@juno.com

My favorite QRP rig glows in the dark

On Tue, 1 Sep 1998 23:23:48 EDT Zenith9zn@aol.com writes:

> am comteplating what to do about a antenna. I am fortunate to live in  
one of those  
> neighborhoods where outdoor antennas are a no-no. 73"s John KB4UTV  
> PS I want to keep this as simple and cheap as possible.  
>  
>

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Tue, 1 Sep 1998 22:42:59 -0600  
From: "Alyn Backe" <ve6bpr@cnnet.com>  
To: <wj5o@juno.com>  
Cc: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [19083] Re: TenTec Transverter ??  
Message-ID: <003601bdd62c\$2a04baa0\$8306e5cf@laptop>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Bill.

I've been using the 1209 with my Kenwood tr-751A 2 meter multimode. I work only SSB and CW on 6 meters, no FM, so I have it peaked up for the bottom of the 6 meter band. Excellent unit! They perform very well, and are well worth the money.

The only thing I would recommend is that if you pick one up, put one of those little 12 volt crystal heaters on the oscillator crystal. These are just a little metal clip that clip onto the top of the crystal, and help prevent any drift after a short warmup period.

Also, you may have to increase the value of C8 from 1 uf to a larger value. I used a 4.7 uf. This capacitor sets up the time constant for keeping the rig keyed up in TX mode after it senses the RF from the 2 meter rig. If the value is too small, the transverter TX may cut in and out. I get about 9 watts output from mine on SSB.

Good luck, and I'm sure you will enjoy it if you get one! It's a great way to get on 6 meters QRP.

Best 72/73, AL, VE6BPR.....sk

-----Original Message-----

From: William H. Hays <wj5o@juno.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Tuesday, September 01, 1998 3:56 PM  
Subject: TenTec Transverter ??

Hi all,  
Anyone have experience with the TenTec 1209 Transverter kit?

-----  
Date: Wed, 2 Sep 1998 00:44:09 EDT  
From: Ab7wy@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [19084] Re: disrespecting collectors...  
Message-ID: <744b7e49.35eccd19@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

In a message dated 98-09-01 13:53:13 EDT, you write:

<< Well I am a Collector in one sense, I "collect" the items that have in the past meant something to me. >>

i like to "collect" for enjoyment. i like old keys and bugs...and use every thing i aquire. lets face it, the market for old keys and bugs isnt exactly on fire.

73....Adam, AB7WY

-----  
Date: Tue, 1 Sep 1998 23:05:03 -0700  
From: "Bill Todd" <bill@willapabay.org>  
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
Cc: <nwq-1@scn.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [19085] Re: Bobtail Curtain ant - learning exp.  
Message-ID: <002601bdd637\$a2e7fda0\$1d4fffbce@default>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Doc -

Thanks for the info on the double bazooka antenna.

I think I am going to try the "tried but true" 3 element wire yagi for 20 meters. I can hang all three elements from the overhanging line (between the tower and the ONLY tree (hi). However, you know what I'd really like to try?

I'd like to build a wire Log Periodic -

Paul, KD7MN built a LP for our first NW QRP Club Field Day event, and it was a master antenna. He had elements for 20, 17, 15 and 10 meters...and the whole thing must have been 50 feet long (at least). I'd settle for one band, i.e., 20 meters.

The only problem is finding the available 300 ohm twin lead, and figuring out the proper velocity factor for it. The only place I know where to find twin lead in our little community would be at Rat Shack.

CUL, Bill-N7MFB  
<http://www.willapabay.org/~bill>  
ICQ me @ 8926298

-----  
Date: Tue, 1 Sep 1998 23:41:43 +0200  
From: "Juan A. Bertolin" <ea5xq@qsl.net>  
To: "QRP - LIST ADDRESS" <qrp-l@Lehigh.EDU>  
Subject: [19086] Re: Information about sending items from USA to Spain -> THANKS  
Message-ID: <199809020628.IAA05614@smtp.bankinter.es>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi,

I would like to thank to everybody that provided me information about my issue. The sending is on the way.

Thanks again to the list

=====

EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW  
FT901DM, MFJ1796,V inv. 40,80m.  
HOWES (80m,40m,30m,20m) TX2000-DXR20 5w  
G-QRP #9805 QRP-L #1461

-----

Web Site: <http://www.qsl.net/ea5xq>

-----

When I picture a perfect reader, I always picture a monster of courage and curiosity, also something supple, cunning, cautious, a born adventurer and discoverer...

-- Friedrich Nietzsche--

=====

-----

Date: Wed, 2 Sep 1998 01:59:41 -0500  
From: "Randy Jouett" <nop@swbell.net>  
To: <bill@willapabay.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [19087] Re: Bobtail Curtain ant - learning exp.  
Message-ID: <005001bdd63f\$43a76710\$210aa8c0@aldebran>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>Thanks for the info on the double bazooka antenna.

Your welcome. Glad to be of service.

>I think I am going to try the "tried but true" 3 element wire yagi for 20  
>meters. I can hang all three elements from the overhanging line (between  
>the tower and the ONLY tree (hi)).

Sounds like a winner to me, Bill! Please keep me (us) informed on how it works when you get it up. BTW, a good way to keep track and plot your own rough, working-model smith chart is to find a map on the net, copy it, and use a paint program to put red dots for 599, and pick your color for the other signal reports. I did this a few years ago and it told me a whole lot about my antennas.

> You know what I'd really like to try? I'd like to build a wire Log Periodic.



>Paul, KD7MN built a LP for our first NW QRP Club Field Day event, and it  
>was a master antenna. He had elements for 20, 17, 15 and 10 >meters...and  
the whole thing must have been 50 feet long (at least). I'd >settle for one  
band, i.e., 20 meters.

Haven't played around with the Log Periodic, although I've read a bit about  
them in the various ham rags over the years. Is Paul hanging around qrp-l?  
Maybe you could get him to get on here and give us an in-depth report on  
it's construction and playability....or you could?

>The only problem is finding the available 300 ohm twin lead, and figuring  
>out the proper velocity factor for it. The only place I know where to find  
>twin lead in our little community would be at Rat Shack.

The velocity-factor calculations should be in the ARRL handbook, I would  
guess. Radio Shack twin-lead. Used the stuff for a couple of years and it  
never really held up. Try calling a few of the ham outlets and see if you  
can't find something a little more decent. Belden cable has always worked  
well for me. I've used their cable for many years and never had any problems  
with it other than it becoming brittle and cracking from UV exposure, but  
that situation arised after many years of use. I would guess that the MTBF  
(mean time before failure) is 2-3 times that of Radio Shacks cable.  
I could be wrong on this -- Radio Shack could have changed there tune? --  
but I seriously doubt it.

73's,

Randy AB5NI  
nop@swbell.net

-----  
Date: Wed, 02 Sep 1998 06:41:20 EDT  
From: jalbertin@juno.com (Jerry Albertin)  
To: qrp-l@Lehigh.EDU  
Cc: jalbertin@juno.com  
Subject: [19088] FS: MFJ 9020 Price REDUCED!!  
Message-ID: <19980902.064300.5495.0.JAlbertin@juno.com>

This 5 watt "flame thrower" is in good working condition  
and comes with documentation. I believe it is of later vintage

as it has a detent in the RIT control. I acquired it in a swap and was told it was purchased new about 2-3 years ago.

Was \$95 now \$85 shipped conus.

73..Jerry

-----  
Date: Wed, 2 Sep 1998 06:42:59 -0500 (EST)  
From: bob evinger <revinger@marshallonline.com>  
To: qrp-1@Lehigh.EDU  
Subject: [19089] FISTS what is it  
Message-ID: <Pine.LNX.3.96.980902063948.529A-1000000@WD9EKA.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have seen references to FISTS on here. I was tuning around right before bed last night trying to decide if I was too tired to make one contact and heard a VE7RGX calling 'cq fists' good strong signal but I decided I was too tired to stay awake long enough to make a meaningful contact.

I have found my fingers get heavy on the paddles and my sending suffers severely when I haven't had enough zzzzz's. If somebody could enlighten me either here or by private email I would appreciate it.

72

bob

Bob Evinger | 19250 N. Livingston Road | revinger@marshallonline.com  
WD9EKA | Marshall, IL 62441 |

-----  
Date: Wed, 2 Sep 1998 09:31:58 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@Lehigh.EDU, nwq-1@scn.org  
Subject: [19090] DOUBLE BAZOOKA?  
Message-ID: <81745b5a.35ed48ce@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Can someone point me to a site or book that has the description of the DOUBLE BAZOOKA? Thanks..Alan KB7MBI

-----  
Date: Wed, 02 Sep 1998 08:36:47 -0500  
From: "Jeff M. Gold" <JGold@tntech.edu>  
To: QRP-L #98 <qrp-l@Lehigh.EDU>  
Subject: [19091] mobile  
Message-ID: <01f501bdd676\$bb86caa0\$4d0b9595@Jeffro.cc.tntech.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

I am looking to get into mobile again. Any recommendations for a small LeBaron Convertible. Looked at a TS50 and couldn't figure a decent way to mount. The IC 706 looks interesting.. really don't need 2+6, anyone have experience with the Yaesu 900 series?

have a carolina bug catcher on car.. thinking about the 4 band multi-band brand, or a hustler with 20-30-40 with one of those weird mounts

72  
Jeff, AC4HF

-----  
Date: Wed, 02 Sep 1998 15:42:45 +0200  
From: Paolo Sassoli <Paolo.Sassoli@italtel.it>  
To: "Qrp-l (per messaggi)" <qrp-l@Lehigh.EDU>  
Subject: [19092] Delay lines  
Message-ID: <35ED4B54.9DC44603@ii1sh01.settimo.italtel.it>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hallo.

Off topic, I know, but hope someone RF expert can help me.

I MUST design (or buy, but can't find it) a delay line for an RF signal with the following specs:

- delay 4-5 nS (nanoSec)
- Freq. 1Ghz
- Signal power 20 W

I've been trying to design it with chip caps and microstrip but seems to be too sensitive to every little values variation.

Ideal would be some multilayer chip but I found something like that only for little signals (from MURATA).

Please, can anyone help me in any way?  
Suggestions, specialized Company addresses, web sites, everything is welcome to me.

Answer to me directly, if possible, and sry for the banwidth.

Thanks to all.

Paolo Sassoli     IK2LNH

-----  
Date: Wed, 02 Sep 1998 9:00 -0600  
From: "Karl Kanalz - Dallas" <kkanalz@optelinc.com>  
To: "Dan Hanson" <kd6rxz@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [19093] RE: Polyvaricon Capacitor  
Message-ID: <19E8447B@optelinc.com>

As I recall, those "polyvaricon" variable capacitors were ONLY made in Japan, and use a thin sheet of poly plastic between the ultra-thin plates for the dielectric (also makes the capacitor physically smaller because of that!). Lafayette Radio used to stock them years ago, but maybe Mouser would have them in their catalog (?).

Karl Kanalz - W8TIF  
McKinney, Texas  
-----

From: Dan Hanson  
To: Low Power Amateur Radio Discussion  
Subject: Polyvaricon Capacitor  
Date: Tuesday, September 01, 1998 3:24PM

Has anybody ever heard of a 250pF polyvaricon capacitor? It's a dual-section variable capacitor for use in a Z-match tuner. I've been trying to find one with no luck. Thanks!

72 de KD6RXZ, Dan

-----  
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-----  
Date: Wed, 02 Sep 1998 10:11:24 -0400  
From: Zack Lau <zlau@arrl.org>  
To: qrp-1@Lehigh.EDU  
Subject: [19094] Re: HB: Building Frenzy.....  
Message-ID: <35ED520B.814A0CF9@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Q values can be found on pages 2-22 to 2-26 of QRP Power--I've found computer simulations to be quite accurate with the right input data.

--Zack Lau W1VT, 35. No, I'm not Eileen's husband so if you know any smart, unattached women who live closer to Newington CT....say Boston or New Haven...

-----  
Date: Wed, 2 Sep 1998 09:43:10 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [19095] RE: Delay lines  
Message-ID: <19980902144313815.AAA321@muenzlerk>

Isn't a delay line what you stand in at the post office?

yes I know it isn't helpful but I couldn't resist...

A delay line for that time period will be in excess of a meter, won't it? As you state it is going to be difficult to construct one that is stable and will handle that power level. Ask Zak Lau at the ARRL. He has helped me on occasion. I think he reads this list on occasion. His email is [zlau@arrl.org](mailto:zlau@arrl.org)

Kevin, WB5RUE

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU  
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Paolo Sassoli  
> Sent: Wednesday, September 02, 1998 8:43 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Delay lines  
>  
>  
> Hallo.  
>  
> Off topic, I know, but hope someone RF expert  
> can help me.  
>  
> I MUST design (or buy, but can't find it) a delay line  
> for an RF signal with the following specs:  
>  
> - delay 4-5 nS (nanoSec)  
> - Freq. 1Ghz  
> - Signal power 20 W  
>  
> I've been trying to design it with chip caps and  
> microstrip but seems to be too sensitive to  
> every little values variation.  
>  
> Ideal would be some multilayer chip but I found  
> something like that only for little signals (from MURATA).  
>  
> Please, can anyone help me in any way?  
> Suggestions, specialized Company addresses, web sites,  
> everything is welcome to me.  
>  
> Answer to me directly, if possible, and sry for the banwidth.  
>  
> Thanks to all.  
>  
> Paolo Sassoli IK2LNH  
>  
>  
>

-----

Date: Wed, 2 Sep 1998 10:16:53 cdt  
From: wj5o@juno.com (William H. Hays)  
To: QRP-L@Lehigh.EDU, TENTEN-L@Lehigh.EDU  
Subject: [19096] TenTec Transverter  
Message-ID: <19980902.101653.16278.14.WJ50@juno.com>

Hi All,  
Thanks, to the wealth of knowledge and the thoughtfulness  
of the many participants on this reflector, I received 15 replies  
to my query about the 1209 TenTec Transverter.

All replies were positive-----not a "knock" in the whole batch.

I'm on the phone now to order mine.

73 Bill WJ50 Corpus Christi, TX

---

You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

---

Date: Wed, 02 Sep 1998 15:30:11 -0700  
From: Arthur Moe <kb7ww@chatusa.com>  
To: Paolo.Sassoli@italtel.it  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [19097] Re: Delay lines  
Message-ID: <35EDC6F3.15B71E47@chatusa.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

You can always do what Tecktronics and others did in the old days,  
use a length of coax. One of the Teck ones was 55 ft of 7/8 Prodlin  
air line in a box with GR connectors. I have one, but unrolled it and  
used it to feed my EME antenna.

Art  
KB7WW

Paolo Sassoli wrote:  
>  
> Hallo.  
>  
> Off topic, I know, but hope someone RF expert

> can help me.  
>  
> I MUST design (or buy, but can't find it) a delay line  
> for an RF signal with the following specs:  
>  
> - delay 4-5 nS (nanoSec)  
> - Freq. 1Ghz  
> - Signal power 20 W  
>  
> I've been trying to design it with chip caps and  
> microstrip but seems to be too sensitive to  
> every little values variation.  
>  
> Ideal would be some multilayer chip but I found  
> something like that only for little signals (from MURATA).  
>  
> Please, can anyone help me in any way?  
> Suggestions, specialized Company addresses, web sites,  
> everything is welcome to me.  
>  
> Answer to me directly, if possible, and sry for the banwidth.  
>  
> Thanks to all.  
>  
> Paolo Sassoli IK2LNH

-----  
Date: Wed, 2 Sep 1998 11:37:46 -0400  
From: "Vincent Ferme" <vferme@sprint.ca>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [19098] Re: Polyvaricon Capacitor  
Message-ID: <000f01bdd687\$a2e75300\$5c3167d1@frsswilap04284.callnetcanada.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
 charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Karl,

What you describe sounds like the variable capacitors used in portable AM  
radios, and also the ZM-2 from EMTECH. Is the "scientific" name confusing  
us? :))

73 de Vince, VE3VFN.



-----  
Date: Wed, 02 Sep 1998 10:47 -0600  
From: "Karl Kanalz - Dallas" <kkanalz@optelinc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "Vincent Ferme" <vferme@sprint.ca>  
Subject: [19099] Re: Polyvaricon Capacitor  
Message-ID: <E6B783E3@optelinc.com>

Well, the "scientific" name is REALLY a manufacturer's "MODEL NAME". Unfortunately, I don't remember the name of the manufacturer, but you are right... the "polyvaricon" capacitors were indeed used in portable AM/FM receivers some years ago, but I'm reasonably sure the capacitors are still in manufacture... maybe a search of Japanese electronic component manufacturers (try your local library for some import/export magazines) will turn up something.

Try, for example, "Ichicon" as a starter....

K-Squared  
W8TIF  
-----

From: Vincent Ferme  
To: Low Power Amateur Radio Discussion  
Subject: Re: Polyvaricon Capacitor  
Date: Wednesday, September 02, 1998 9:37AM

Hi Karl,

What you describe sounds like the variable capacitors used in portable AM radios, and also the ZM-2 from EMTECH. Is the "scientific" name confusing us? :))

73 de Vince, VE3VFN.

-----  
Date: Wed, 2 Sep 1998 17:54:35 +0200  
From: Alen Mitrovic <alenm@hermes.si>  
To: qrp-1@Lehigh.EDU  
Subject: [19100] Qrp balun design  
Message-ID: <7519EA69A7D4D111916400A0C955EF615FFCE4@ha19000.hermes.si>

Mime-Version: 1.0  
Content-Type: text/plain

Hi!

I am looking for some schemes about qrp baluns 1:1(4:1) on toroid cores.  
I have made several baluns designed by W2FMI and used special K  
material: FT 240K&FT125K

Now I am interested in small balluns wound on Amidon's T-50-X or  
FT-50-XX cores. Power rate<5W

Maybe somebody has experimented with these kind of qrp baluns?

Best 72/73 de Alen / S53MA

> -----  
>

Alen Mitrovic

HERMES SoftLab	Phone	: ++386 61 1865 323
Litijaska 51	Fax	: ++386 61
1865 270		
1000 Ljubljana	E - mail	: alenm@hermes.si
SLOVENIA		
:S53MA@hermes.si		
Europe	WebPage:	
<a href="http://www.hermes.si/">http://www.hermes.si/</a>		

-----  
  
-----  
  
Date: Wed, 02 Sep 1998 09:00:08 -0700  
From: mikerice@abtcorp.com (Mike Rice)  
To: qrp-1@Lehigh.EDU  
Subject: [19101] Re: Polyvaricon Capacitor  
Message-ID: <35ED6B88.C9FC816C@abtcorp.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I picked up one of the 'baby-boom-box' radio for \$5 from Walgreens (for commuting) and inside is a TOMY variable capacitor, same description:

plastic gap, small screws for 'tweaking'  
plus an array of other cheapish parts and two 80hm speakers in a cheesy  
plastic enclosure.  
If I'm so dissatisfied with the am/fm performance I cannot stand it, I  
will gleefully depopulate the board for parts.

-- 73        2m qrp for now  
Mike Rice   kb0nnd  
ABT Technical Support  
mrice@abtcorp.com

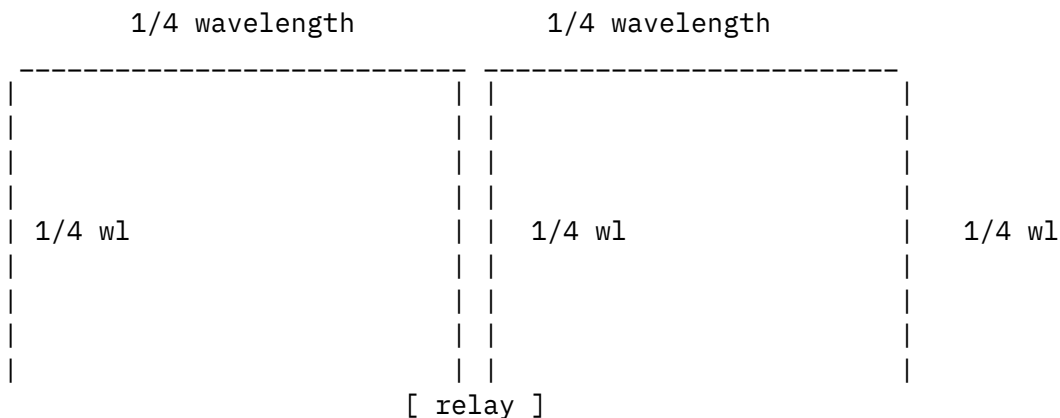
-----  
Date: Wed, 02 Sep 1998 12:20:20 EDT  
From: w4pj@w4bkx.ampr.org  
To: qrp-1@Lehigh.EDU  
Subject: [19102] Bobtail (rotate it)  
Message-ID: <19741@w4bkx.ampr.org>

There was an article - don't remember where/when, but basically  
the idea was "Rotate" your half-square antenna. A half-square  
is a 2-legged bobtail.

2 -1/4 wave vertical radiators separated by a 1/2 wave 'phasing' line.

To make it rotatable, insert another 1/2 wave phasing line (1/4 wave-  
length of 'ladderline') at the mid-point of the original phasing line  
and short or open it with a relay.

1/4 wave open transmission lines 'look' like shorts at resonance.  
By shorting the transmission line, it 'looks like 1/2 wavelength.



## SPST

Unshorted ladderline 'looks' like a short ( invisible ) and antenna radiates a broadside pattern.

Short the ladderline by activating the relay and the ladderline 'looks' like a 1/2 wavelength thus feeding the 2, 1/4 wavelength radiators in phase (1 full wavelength phasing) creating an end-fire array.

Switch back and forth from 0 to 180 degree phasing. "Rotate" your 1/2 Square. I suppose with 2 relays and 2 additional phasing lines you could do the same with a 3-legged bobtail.

Hope this helps. GL

de Scott / W4PJ Ft. Lauderdale, FL <EL96vd> #1585 (Pres. SFDXA)

----- 73 -----

Bill, N7MFB expresses dismay at having the bobtail broadside pattern radiating in the (wrong) undesired direction. This may be one solution.

-----

Date: Wed, 02 Sep 1998 09:24:29 PDT

From: "Dan Hanson" <kd6rxz@hotmail.com>

To: qrp-1@Lehigh.EDU

Subject: [19103] Re: Polyvaricon Capacitor

Message-ID: <19980902162429.12502.qmail@hotmail.com>

Content-Type: text/plain

Yes, it's the "techincal name". It's basicly the same dual-section, 5 - 266 pF capacitor used in the ZM-2. The real problem is, I can't find them anywhere.

Thanks for everyone's input! I happy to know I'm not alone in this quest!

72 de KD6RXZ, Dan

>Hi Karl,

>

>What you describe sounds like the variable capacitors used in portable AM

>radios, and also the ZM-2 from EMTECH. Is the "scientific" name confusing

>us? :))

>

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Wed, 02 Sep 1998 11:47:39  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [19104] Re: Polyvaricon Capacitor  
Message-ID: <3.0.3.16.19980902114739.2c2fe58e@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>I picked up one of the 'baby-boom-box' radio for \$5 from Walgreens  
>If I'm so dissatisfied with the am/fm performance I cannot stand it, I  
>will gleefully depopulate the board for parts.  
>

About all those things are good for is parts. You'll definatly get 5 bucks  
worth of parts out of it though. Junked or increadably cheap AM/FM radios  
is a good source for those tuning caps. Sometimes you even get a nice  
little 3V audio amp chip.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Wed, 02 Sep 1998 16:48:03 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [19105] Building Station Table -- Works for me.  
Message-ID: <35ED76C3.207F@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The bargirls in Spain called me "Cobweb", cuz that's all I  
ever had in my wallet.

I'm still the frugal type and when I needed something besides  
an old desk to operate my station from, I decided to build it!

Now, being renters I wanted something I can remove and leave no scars. Here's what I built:

(Use screws for everything.)

Sit in your favorite operating chair and determine the best ergonomic operating level for the bug/key and writing pad. Determine the depth of the table for the size of your rig and the width based on other items you need nearby such as soldering Iron, scope etc. (Big pile of magazines :) :) Be sure to include the thickness of the horizontal table top when setting its height, placing your key at the best operating height.

Using 3 foot or so 2x4" wood, drill for screw location and level the wood on the wall such that the table top will sit on the edge of the 2x4. Screw the board into the wall.

Now you have this:

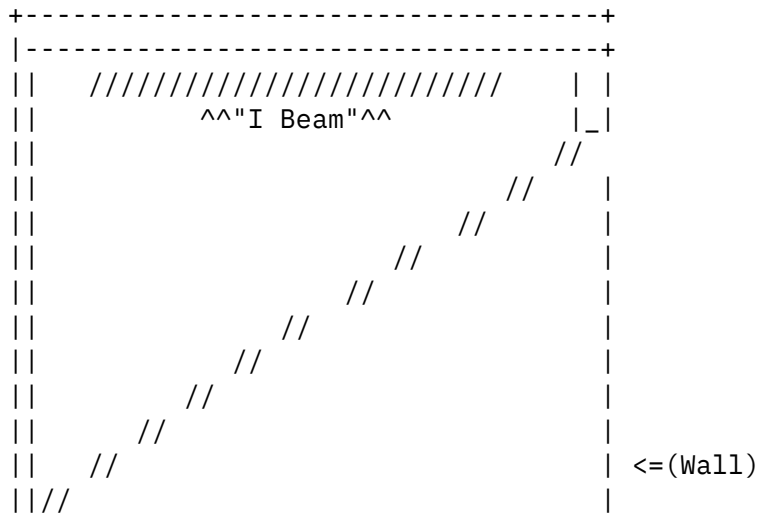
```
+-----+
|  *    *    *  |
+-----+
```

The board is screwed into the wall studs.

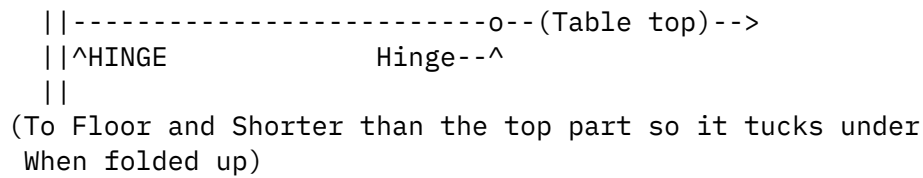
I then recycled the parts of particle board from an old drawer bed that had exceeded its life span and made the top by placing 2x4's from the wall outward toward the operating position, screwing the top into the lengthwise 2x4's in I-beam fashion. I then ran 2x4's from the front edge down to the floor. A 45 degree stabilizing board ran from the bottom front at floor level back to the rear top and this stabilized the legs. I added a front header board between the two table top "I" beams.

I added a small piano hinge at the left (6 inch hinge) and screwed another 6 inch wide by 1 inch deep piece of wood to the hinge. This pivot board was to be supported by a kick leg at the far end where I added another hinge and an inside leg. It folds down when unused. But it usually supports the magazines/Tape/Stapler, and other misc. stuff at my left.

Here's another ascii dwg: (Side view)

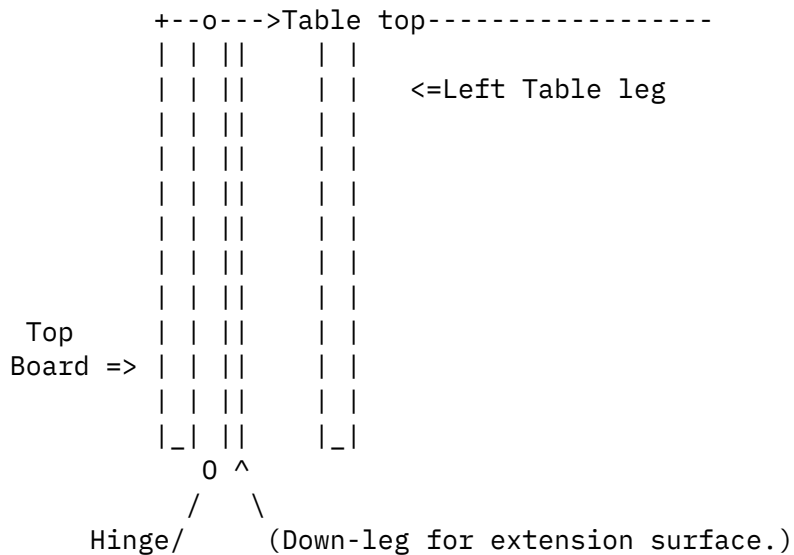


Here's the Kick-Leg:



NOTE: The kick leg needs to be about 5 inches away from the left table-top support leg. Otherwise there is no room to store the leg.

Here's the leg in the 'stored' position: (Front view)



(Shown in the UP-Position)

That's it! The Table top screws are counter sunk so nothing gets scratched on the equipment when slid over the surface.

I hope someone finds this little table useful. The nice part is it all unscrews when you want to move it and just 3 small holes in the wall to spackle.

Enjoy.

-Ed

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
Date: Wed, 2 Sep 1998 09:53:08 -0700  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [19106] Re: Polyvaricon Capacitor  
Message-ID: <103401bdd692\$2c173690\$140a0a0a@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You might try checking with your local Sanyo sales representative.

Mike K1MG

-----  
Date: Wed, 02 Sep 1998 10:04:52 -0700  
From: neil <neil@aade.com>  
To: kkanalz@optelinc.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [19107] Re: Polyvaricon Capacitor  
Message-ID: <35ED7AB4.40465CF1@aade.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit



electronic goldmine was selling these in quantity in the latest catalog.

check <http://www.goldmine-elec.com>

--

Neil

<http://www.aade.com>

<mailto:neil@aade.com>

Almost All Digital Electronics

1412 Elm St. SE

Auburn, WA 98092

253-351-9316

-----  
Date: Wed, 02 Sep 1998 17:07:04 +0000  
From: Ed Loranger <[we6w@qsl.net](mailto:we6w@qsl.net)>  
To: Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [19108] Re: Building Station Table -- Works for me.  
Message-ID: <35ED7B38.1175@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I guess I forgot one item:

There are 3 screws that go from the rear portion of the table top and into the 2x4 support that is on the wall.

Sorry abt. that... Details details.... What d'ya want for a quick typed up, off the top'o'da'head procedure :) :)

Glad I caught this before the flood of email asking for clarification :)

Later,

Ed

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
Date: Wed, 02 Sep 1998 10:12:03 -0700  
From: Allan Taylor K7GT <k7gt@qsl.net>  
To: qrp-1@Lehigh.EDU  
Subject: [19109] Solar flux alert ... 20M is HOT  
Message-ID: <35ED7C63.5B5@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Monday night I worked 3 Russians (European Russia) on 20m using the MFJ 20M rig. I was just checking the batteries vs. xmt sig on the big rig... and they happened along... . No beam here either. Sig reports varied from S2 to S7 and their locations were all over in Russia. I could have worked more, but other duties called. Sure hope it is that good on the 18th.

--  
73 de K7GT  
Allan Taylor (a.k.a. Grant)                      Pleasanton CA  
email:            k7gt@qsl.net  
web page:        <http://www.qsl.net/k7gt/index.html>

-----  
Date: Wed, 2 Sep 1998 12:20:23 -0600 (MDT)  
From: marion@montana.com  
To: kd6rxz@hotmail.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [19110] Re: Polyvaricon Capacitor  
Message-ID: <199809021820.MAA09042@paw.montana.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 09:24 AM 9/2/98 PDT, you wrote:

>Yes, it's the "techincal name". It's basicly the same dual-section, 5 -  
>266 pF capacitor used in the ZM-2. The real problem is, I can't find  
>them anywhere.

>

>Thanks for everyone's input! I happy to know I'm not alone in this  
>quest!

>

>72 de KD6RXZ, Dan

>

Dans small parts has polyfilm two section 5-60pf and 5-142 pf, which

paralleled might work. He compares them to Mouser part, but Dans are on sale 5 for \$2.50. No affiliation. Roy AB7CE

-----  
Date: Wed, 2 Sep 1998 13:39:57 -0400  
From: Tracy@bytemark.com (Tracy)  
To: "QRP-L" <qrp-l@Lehigh.EDU>, <alenm@hermes.si>  
Subject: [19111] RE: Qrp balun design  
Message-ID: <000201bdd698\$b3bfb3a0\$13251ad1@titan>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Being the 'Amidon Guy,' I wanted to be the Hero that introduced a quality, miniature QRP-balun. I failed miserably!!!

I have spent hours on the phone with Dr. Sevick, and have determined the dimensions, materials, wire-sizes etc. for several models. They just don't work as good as the big ones.

The problem lies in tolerances -- as wire diameters get smaller the tolerances for conductor spacing gets very tight, to the point of non-reproducibility.

Amidon BALUNs and UNUNs are designed to have very high-efficiency and reproducible design. The designs with larger cores are not done with power in mind, but very high efficiencies. They happen to take a lot of power because they're large.

After winding about 150 BALUNs on various mixes of FT50, 87, 114, etc. cores I determined it is too difficult to get the windings accurate enough to have more than 80% efficiency. I got one to 88%, but could not do it a second time!

Remember that 'BALUNs' are not traditional transformers, but are transmission lines themselves. What sets the 'characteristic impedance' of the transmission line, from which the transformation is calculated, is the ratio of conductor diameter to their spacing. As you use smaller conductors it gets more and more difficult to wind the transformer without varying the conductor spacing.

I tried using various methods to attach the conductors together. The best method was using strips of 'Ribbon' cable but even then the strands could move slightly within their jacket and the impedance was not constant on the

line. Useless for an efficient transformer.

Hundreds of fellows have purchased piles of cores from us in pursuit of an efficient QRP BALUN. So far not one has made a bulk purchase, or called back with successful results. I personally think it can't be done small AND efficient. If 80% is good enough for you, then you should have no problems.

I've noticed with this group that often a sacrifice in efficiency is worth a substantial reduction in size, cost, weight, etc. In this particular case I must disagree. When it comes to coupling the antenna to the feedline or the line to the rig, you want the best efficiency possible. Remember that the 20% lost in an 80% efficient transformer is lost on receive as well as transmit.

I love it when I get callers that only want a 'receiving' BALUN. I would think that one would want the greatest efficiency possible in a receiving transformer! Don't go with the minimalist approach here. Use as efficient transformer as you can, even if it does look like it is oversized. Remember, a 7 MHz wave is over 30 feet long, give it some room in the transformer! Grin.

I have a bit of tech info online at  
<http://www.bytemark.com/w2fmi>

The material is written by Dr. Sevick, W2FMI. It is intended as a 'Digest' of his popular book 'Transmission Line Transformers.'

Good luck on your quest -- hopefully someone will finally break the reproducibility barrier, as I call it, of small AND efficient BALUNS.

Tracy Markham, N4LGH  
ByteMark / Amidon  
[tracy@bytemark.com](mailto:tracy@bytemark.com)  
[www.bytemark.com/amidon](http://www.bytemark.com/amidon)  
800 679-3184

> I am looking for some schemes about qrp baluns 1:1(4:1) on toroid cores.  
> I have made several baluns designed by W2FMI and used special K  
> material: FT 240K&FT125K  
> Now I am interested in small balluns wound on Amidon's T-50-X or  
> FT-50-XX cores. Power rate<5W  
> Maybe somebody has experimented with these kind of qrp baluns?  
>  
> Best 72/73 de Alen / S53MA

-----  
Date: Wed, 2 Sep 1998 08:03:01 -0400  
From: DNT1@chrysler.com  
To: revinger@marshallonline.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [19112] Re: FISTS what is it  
Message-ID: <85256673.0060D0EA.00@lmgodd02.notes.chrysler.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-Disposition: inline  
Content-transfer-encoding: quoted-printable

Bob Evinger wrote:

> I have seen references to FISTS on here. I was tuning around right before  
> bed last night trying to decide if I was too tired to make one contact and  
> heard a VE7RGX calling 'cq fists' good strong signal but I decided  
> I was too tired to stay awake long enough to make a meaningful contact.  
>  
> I have found my fingers get heavy on the paddles and my sending suffers  
> severely when I haven't had enough zzzzz's. If somebody could enlighten  
> me either here or by private email I would appreciate it.

Here's some info on FISTS, more detailed info is available on the web page.  
I'll try to keep this pretty short since it's going to the reflector as well.

k5h1r@jep.com can get a complete membership package to you!

Here's the web address: <http://n9nvv.qrp.com/~fists/>

ACCURACY  
TRANSCENDS  
SPEED

COURTESY  
AT ALL  
TIMES

WHEN YOU'VE  
WORKED A FIST  
YOU'VE WORKED A  
FRIEND

The club has many activities and membership in FISTS is not required to participate, just a love of Morse! All FISTS activities are designed to promote camaraderie among members of the club.

b  
and help hams hone and improve their Morse  
skills.

FISTS members can be found on or near any frequency ending in .x58  
(.058, .158, .258, etc.

#### Weekly Nets

Sunday	Monday	Tuesday	Wednesday	Saturday
Century	Slow	Slow	Slow	QSO Groups
Award Net	Traffic Net	Ragchewing Group	Traffic Net	2000 UTC 14.058 MHz
2000 UTC 14.058 MHz	2100 EST 3.682 MHz	2000 EST 3.720 MHz	2100 EST 3.682 MHz	2300 UTC 7.058 MHz

The first week in September we have a "Straight Key" Week.

There is a "Code Buddies" program which matches up experienced operators  
s  
with new ones that want to develop their  
skills. This program is managed by John, W9EM. To volunteer or request  
t  
more information, contact him at;

34020 N. Hickory Ave.  
Grayslake, IL 60030-1014

HOW DO I JOIN? Membership is open to all amateur CW operators and  
listeners,  
irrespective of their speed and ability.

Dues are:                   \$15.00 (US) a year.  
                              =A3 5.00 (UK)  
                              =A3 6.00 (EEC)  
                              =A3 7.00 (Europe)  
                              =A3 10.00 (Others)

You can download a North American membership application or an  
application for all others in Word 6.0 format or in  
ASCII format as well as a welcome letter from Geo, G3ZQS, our founder.  
North American applications are to be mailed to  
Nancy, WZ8C at P. O. Box 47, Hadley, MI 48440-0047. All other  
applications are to be mailed to Geo, G3ZQS at 119  
Cemetery Rd, Darwin Lancs, BB32LZ.

Send a message Joe Pardue, K5HLR with your name, call sign, and postal address. Information on joining along with an application will be mailed to you. You can also request this information by "snail mail". His address is;

29 Melrose Dr.  
Marrero, LA 70072-5055

Want to get on the FISTS On-Line Email List? Send your Email address to=

Brian  
W8BL at his new Email address:  
blafont@tir.com

Want to VOLUNTEER FOR or GET A CODEBUDDY? John, W9EM 34020 N. Hickory  
Grayslake, IL 60030.  
=

-----  
Date: Wed, 2 Sep 1998 13:59:30 EDT  
From: RangerSF5@aol.com  
To: k7gt@qsl.net, qrp-1@Lehigh.EDU  
Subject: [19113] Re: Solar flux alert ... 20M is HOT  
Message-ID: <bd4af13.35ed8782@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

In a message dated 98-09-02 13:26:53 EDT, k7gt@qsl.net writes:

<< Subj: Solar flux alert ... 20M is HOT  
Date: 98-09-02 13:26:53 EDT  
From: k7gt@qsl.net (Allan Taylor K7GT)  
Sender: owner-qrp-1@Lehigh.EDU  
Reply-to: k7gt@qsl.net  
To: qrp-1@Lehigh.EDU (Low Power Amateur Radio Discussion)  
>>

Your 100% right Allen.  
Everyone is asking why no one is on the CW reflector.  
I'm not thats for sure.  
I also have been banging out DX on both 40 and 20 meters.  
My best in the last three nights was \*9A7C\* and I think that was really good

considering I busted through a pileup on 14.033.  
I received a 559 from him while running 3 watts to the \*HOQ\* dipole from the  
ARK-20.  
I'll be on 20-M at 0500 UTC with the ARK on 14. 060.  
If no DX there then I slide down to 14.030.  
GL to all on the DX/QRP  
Bob  
WA2HOQ

-----  
Date: Wed, 02 Sep 1998 14:02:15 -0400  
From: "Edward A Kwik jr" <eakwikjr@hti.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [19114] Re: Polyvaricon Capacitor  
Message-ID: <35ED8826.71B4CEFF@hti.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Carefull, There are two types out there. Mouser has a two section poly  
film RF tuner capacitor with one 5 to 59 pf section and one 5 to 141 pf  
section. The ZM-1/ZM-2 uses a dual 266 pf cap. I have located two  
sources:

Circuit Specialist

Our mailing address is:

P.O. Box 3047,  
Scottsdale, Arizona  
85271-3047.

1-800-811-5208 <http://www.cir.com>

and

Electonix Express  
365 Blair Rd  
Avenel, NJ 07001  
1-800-972-2225  
<http://www.elexp.com>

I ordered 5 from Electronx Express last week. \$25 minimun order. The  
C2 cap in my ZM-2 seems to last only three or four months before it  
needs replacing.

Ed Kwik KC8JIE qrp-1 #1444

marion@montana.com wrote:



>  
> At 09:24 AM 9/2/98 PDT, you wrote:  
> >Yes, it's the "techincal name". It's basicly the same dual-section, 5 -  
> >266 pF capacitor used in the ZM-2. The real problem is, I can't find  
> >them anywhere.  
> >  
> >Thanks for everyone's input! I happy to know I'm not alone in this  
> >quest!  
> >  
> >72 de KD6RXZ, Dan  
> >  
>  
> Dans small parts has polyfilm two section 5-60pf and 5-142 pf, which  
> paralelled might work. He compares them to Mouser part, but Dans are on sale  
> 5 for \$2.50. No afilliation. Roy AB7CE

-----  
Date: Wed, 2 Sep 1998 13:06:47 -0500  
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>  
To: QRP-L list <QRP-L@Lehigh.EDU>  
Subject: [19115] QRP AField Rules  
Message-ID: <95A8AD93C03DD2118BD300805FA79E7425EC64@s-il02-g.comm.mot.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Has anyone seen the rules posted yet? Sept. 19 is getting close.  
Thanks and 73,  
Bob N6WG

-----  
Date: Wed, 2 Sep 1998 12:16:45 -0600 (MDT)  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [19116] Re: QRP AField Rules  
Message-ID: <Pine.SOL.3.91.980902121152.8245C-100000@zia>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 2 Sep 1998, Tellefsen Bob-CNSE97 wrote:  
> Has anyone seen the rules posted yet? Sept. 19 is getting close.  
> Thanks and 73,  
> Bob N6WG

Yeah ... what is the gig on this? Tim Pettibone K50I and I were planning on driving and meeting at old Ft. Selden (where Douglas McArthur was born) as our "field" location. But don't want to drive two hours for a contest that has been scarcely promoted, finding few on the air.

PLEASE, somebody in the NEQRP club, can you post the rules, scoring and at least the TIMES?

Thanks,  
Paul NA5N

-----  
Date: Wed, 2 Sep 1998 11:42:45 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, homebrew@qsl.net  
Subject: [19117] Compaq Presario Problems  
Message-ID: <Pine.BSI.3.96.980902114119.28740A-100000@usr04.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

To anyone out there who knows:

I have a Compaq Presario 4700 (or 6700) that I cannot configure the parallel port on to accept an EPP (bidirectional) format. This is the case with both the mother board LPT1: and the after-market I/O LPT2: port. The after-market I/O works OK on a Compaq 386/20 Deskpro. It's necessary to have the EPP format in order to work with the Mustek flatbed scanner that I've been using.

I suspect that there is something in the BIOS or a jumper on the motherboard that needs to be configured. The manual and the help routines are of no help at all, and I don't feel inclined to pay Compaq \$20 for however much time to tell me how to do something that should have been in the manual in the first place.

Any help in solving this will be greatly appreciated. For now, I'll just continue using my scanner on the 386/20 as I need to scan photos for technical papers.

/,-----.  
/ What's all this \

Circuit Design for the  
RF Impaired

Chris Trask / N7ZWY  
Principal Engineer  
ATG Design Services  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Technical Editor,  
QRP Quarterly  
QRP ARCI 9464

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Just received Radio Shack's flyer in the mail yesterday. Looks like they have reduced the CB targeted for conversion to a clearance price of \$34.95.

Ron - N1ZSW

Date: Sat, 29 Aug 1998 05:32:26 -0600  
From: Armstrongs <barmstrong@mail.SISNA.com>  
To: "QRP-L List" <qrp-l@Lehigh.EDU>  
Subject: [19119] 20 meter rig needed  
Message-ID: <1.5.4.32.19980829113226.00a3aa78@mail.SISNA.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

My friend Gary, KJ7G, is a hospital administrator who is involved in setting up hospitals in remote areas for a church group. He has very little room to put ham gear when he travels, but could make room for a small transceiver. He is currently in Hawaii trying to resurrect a defunct hospital, but will be traveling in South America soon.

Does anyone on the list have a small, lightweight rig in excess that they want to sell? It must be dependable and free of problems. I suggested a MFJ 9020, which he found interesting. Other suggestions would be appreciated.

Send me a note and I will forward it to him.

de N7XJ, Bob in Central Utah

-----  
Date: Wed, 2 Sep 1998 14:45:05 -0500  
From: Chris Cieslak <ccieslak@LAW.UIUC.EDU>  
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Subject: [19120] How to cut enclosure?  
Message-ID: <9171552F3022D1118B9F00805FFEB54601485F65@law-mail.law.uiuc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain

I want to put an edge-reading meter for a tuner in a die-cast aluminum enclosure. all i have is a drill, a file, and a nibbling tool, which is too wimpy for the diecast. any more efficient ways to cut a rectangular hole that actually looks decent besides the "drill a bunch of holes" method? i'm not adverse to buying more tools if they are not too expensive...

72/3, chris aa9hd

-----  
Date: Wed, 2 Sep 1998 12:51:31 -0700  
From: gsurrency@juno.com (Gary L Surrency)  
To: Tracy@bytemark.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [19121] Re: Qrp balun design  
Message-ID: <19980902.125131.9758.0.gsurrency@juno.com>

Tracy Markham, N4LGH wrote:

>a 7 MHz wave is over 30 feet long, give it some room in the transformer!

Actually, a 7.0 Mhz radio wave in free space is 140.5 ft long. A half-wave would be 70.25 ft long, according to the formula:

feet = 983.5592 / f MHz \*

for our metric friends:

meters = 299.7925 / f MHz \*

or, 42.83 meters for 1 wavelength, 21.41 meters for 1/2 wave at 7.0 MHz

\*Source: ARRL Antenna Book, 18th edition, pg. 2-1.

That is an even longer wave to transform using an itty bitty balun. ;-)

Something to remember next time you look at those little inductors and capacitors in your QRP radio. There are some really \*big\* radio waves circulating around in there.

-----  
-----  
PS.

Looks like there's a typo in the first form of the equation shown in the ARRL's text:

meters = 279.7925 x 10E6 meters/sec / f hertz

Seems to me it should read :

meters = 299.7925 x 10E6 meters/sec / f hertz  
-----  
-----

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]  
-----

Date: Wed, 2 Sep 1998 15:53:34 EDT  
From: RobCap@aol.com  
To: HEATH@LISTSERV.TEMPE.GOV, qrp-1@Lehigh.EDU  
Subject: [19122] For Sale: Unbuilt HW-9 Set  
Message-ID: <d4600444.35eda23e@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

For Sale: Unbuilt Heathkit HW-9 set. I'm making room for some new Heathkits, so I'm thinning out my collection of duplicate unbuilt Heathkits.

This sale includes three unbuilt kits sold as a set: HW-9 QRP transceiver, HWA-9 WARC band kit (providing coverage on 10-80 meters), and the matching SP-99 speaker. The kits are in pristine condition, with original packaging and documentation.

The HW-9 is a classic QRP transceiver, and unbuilt kits are extremely rare. I'm selling this set of three kits for \$525, which includes UPS ground shipping, insured, within the continental U.S. I'll ship upon receipt of certified check or money order.

73,

Rob, W3DX

-----  
Date: Wed, 02 Sep 1998 19:46:39 -0700  
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>  
To: qrp-1@Lehigh.EDU  
Subject: [19123] Re: Polyvaricon Capacitor  
Message-ID: <35EE030F.317B@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

When the late Roy Gregson, W6EMT, was between the ZM-1 and ZM-2 models and looking for capacitors a few months ago I also spotted the listing of a dual section 5-266 pF capacitor in the Electronix Express catalog. I ordered some like KC8JIE. They were placed on backorder and when they were received they were the "other kind", i.e. one section of 5-59 pF and a second section of 5-142 pF instead of two sections of 5-266 pF. Oh well, buyer beware. It will be interesting to see how KC8JIE makes out on his order.

73, Harvey, N6MM.

-----  
Date: Wed, 2 Sep 1998 15:57:50 EDT  
From: RobCap@aol.com  
To: HEATH@LISTSERV.TEMPE.GOV, qrp-1@Lehigh.EDU  
Subject: [19124] For Sale: Unbuilt Heath HW-8 Set  
Message-ID: <dc53ee43.35eda33e@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

For Sale: Unbuilt Heathkit HW-8 set. I'm making room for some new Heathkits, so I'm thinning out my collection of duplicate (and triplicate) unbuilt Heathkits.

This sale includes two unbuilt kits sold as a set: HW-8 QRP transceiver, and the matching HWA-7-1 power supply. The kits are in pristine condition, with original packaging and documentation.

The HW-8 is a QRP classic, and unbuilt kits are extremely rare. I'm selling this set of two kits for \$425, which includes UPS ground shipping, insured, within the continental U.S. I'll ship upon receipt of certified check or money order.

73,

Rob, W3DX

-----  
Date: Wed, 2 Sep 1998 14:58:49 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: <ccieslak@LAW.UIUC.EDU>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [19125] RE: How to cut enclosure?  
Message-ID: <19980902195858387.AAA319@muenzlerk>

Try using a hack-saw blade, unless the hole needs to be too small. You can't too much leverage without the rest of the saw but it does work.

Kevin, WB5RUE

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU  
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Chris Cieslak  
> Sent: Wednesday, September 02, 1998 2:45 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: How to cut enclosure?  
>  
>  
> I want to put an edge-reading meter for a tuner in a die-cast aluminum  
> enclosure. all i have is a drill, a file, and a nibbling  
> tool, which is too  
> wimpy for the diecast. any more efficient ways to cut a  
> rectangular hole  
> that actually looks decent besides the "drill a bunch of  
> holes" method? i'm  
> not adverse to buying more tools if they are not too expensive...  
>  
> 72/3, chris aa9hd  
>  
>

-----  
Date: Wed, 2 Sep 1998 17:11:06 -0700  
From: "Doug Hauff" <slmachco@fix.net>  
To: <kd6rxz@hotmail.com>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [19126] Re: Polyvaricon Capacitor  
Message-ID: <199809022007.NAA05877@fletch.fix.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Dan, Sounds like the one I supply with the Rainbow Enclosure...Mouser #  
24TR222 (\$1.52), mounting screws Mouser # 48SS003, (\$.04 ea, need qty 2),  
you will also need a M2.5 x .45 screw for the knob, same thread as the  
mounting screws, but something longer...I have a few of those...72 Doug  
Hauff KE6RIE BTW Mouser phone 800 346-6873 (no minimum order)  
-usual disclaimer-

-----  
> From: Dan Hanson <kd6rxz@hotmail.com>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: Polyvaricon Capacitor



> Date: Tuesday, September 01, 1998 3:24 PM  
>  
> Has anybody ever heard of a 250pF polyvaricon capacitor? It's a  
> dual-section variable capacitor for use in a Z-match tuner. I've been  
> trying to find one with no luck. Thanks!  
>  
> 72 de KD6RXZ, Dan  
>  
>  
> -----  
> Get Your Private, Free Email at <http://www.hotmail.com>  
>

-----  
Date: Wed, 2 Sep 1998 16:10:55 EDT  
From: RobCap@aol.com  
To: HEATH@LISTSERV.TEMPE.GOV, qrp-1@Lehigh.EDU  
Subject: [19127] For Sale: A very silly unbuilt Heathkit  
Message-ID: <5415f7ce.35eda64f@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

For Sale: Unbuilt SK-107 heathkit. This is a really silly kit that Heath called a "Low cost stereo synthesizer". It was thrown into a recent deal, and I'm thinning out my collection. Here's what the user's guide says:

"Get more enjoyment from TV viewing with this dual mode Stereo Synthesizer. Pseudo-Stereo converts a mono input into two different channels for synthesized stereo and the mono mode allows straight through operation....."

This jewel sold for \$16.95 in 1987. It's very clean in original packaging, and can be yours for a whopping \$15 shipped UPS ground within the continental U.S.

73,

Rob, W3DX

-----  
Date: Wed, 2 Sep 1998 17:21:44 -0700  
From: "Doug Hauff" <slmachco@fix.net>  
To: <kd6rxz@hotmail.com>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [19128] Re: Polyvaricon Capacitor

Message-ID: <199809022018.NAA09268@fletch.fix.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Dan, Now I'm confused, Mouser catalog says "Osc.:5.0-58.2 pf range,  
Ant.:5.0-141.6 pf range, Section: 5.0-266pf", guess I'll see if that old  
Heath capacitor checker works... 72 Doug Hauff KE6RIE

-----  
> From: Dan Hanson <kd6rxz@hotmail.com>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: Polyvaricon Capacitor  
> Date: Tuesday, September 01, 1998 3:24 PM  
>  
> Has anybody ever heard of a 250pF polyvaricon capacitor? It's a  
> dual-section variable capacitor for use in a Z-match tuner. I've been  
> trying to find one with no luck. Thanks!  
>  
> 72 de KD6RXZ, Dan  
>  
> -----  
> Get Your Private, Free Email at <http://www.hotmail.com>  
>

-----  
Date: Wed, 2 Sep 1998 15:25:31 -0500  
From: "Randy Moore" <wr.moore@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [19129] RE: Polyvaricon Capacitor  
Message-ID: <000001bdd6af\$d4f9bf40\$be12430c@deputy-dog>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks to Ed for this pointer. From Electronix Express, these are \$1.26  
each for 10+. The web site says there's a \$20 minimum order. I'd be  
willing to submit a group order for some of these. If anyone is interested,  
and willing to split shipping with me, respond by the end of the week and if  
there's enough response, I'll ship off an order.

72,  
Randy, KS4L  
>  
> Electronix Express

> 365 Blair Rd  
> Avenel, NJ 07001  
> 1-800-972-2225  
> <http://www.elexp.com>  
>  
> Ed Kwik KC8JIE qrp-l #1444

-----  
Date: Wed, 02 Sep 1998 13:28:24 PDT  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: slmachco@fix.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [19130] Re: Polyvaricon Capacitor  
Message-ID: <19980902202824.3370.qmail@hotmail.com>  
Content-Type: text/plain

That seems to be a typo in the Mouser catalog. They used to have two different caps for sale but now only have one (but still have the specs for both printed in their catalog).

Brad

>Dan, Now I'm confused, Mouser catalog says "Osc.:5.0-58.2 pf range,  
>Ant.:5.0-141.6 pf range, Section: 5.0-266pf", guess I'll see if that  
old

>Heath capacitor checker works... 72 Doug Hauff KE6RIE

>

>-----

>> From: Dan Hanson <kd6rxz@hotmail.com>

>> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

>> Subject: Polyvaricon Capacitor

>> Date: Tuesday, September 01, 1998 3:24 PM

>>

>> Has anybody ever heard of a 250pF polyvaricon capacitor? It's a  
>> dual-section variable capacitor for use in a Z-match tuner. I've  
been

>> trying to find one with no luck. Thanks!

>>

>> 72 de KD6RXZ, Dan

>>

>>

>> -----  
>> Get Your Private, Free Email at <http://www.hotmail.com>

>>

>

>

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Wed, 02 Sep 1998 16:41:20 -0400  
From: David Fouchey <dafouche@jax-inter.net>  
To: ccieslak@LAW.UIUC.EDU  
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Subject: [19131] Re: How to cut enclosure?  
Message-ID: <3.0.1.32.19980902164120.0082b9d0@jax-inter.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Try a Jewlers saw or jig saw. Another option is a Dremel Tool with the cutter attachment allows you to hold the Dremel tool perpendicular to the work surface and make nice square cuts. I have also used a hole saw and file to make a nice square hole...lots of options not requiring a ton of money.

Dave  
wa4emr

At 02:45 PM 9/2/98 -0500, you wrote:

>I want to put an edge-reading meter for a tuner in a die-cast aluminum  
>enclosure. all i have is a drill, a file, and a nibbling tool, which is too  
>wimpy for the diecast. any more efficient ways to cut a rectangular hole  
>that actually looks decent besides the "drill a bunch of holes" method? i'm  
>not adverse to buying more tools if they are not too expensive...

>

>72/3, chris aa9hd

>

>

>

-----  
Date: Wed, 2 Sep 1998 16:42:38 EDT  
From: RobCap@aol.com  
To: HEATH@LISTSERV.TEMPE.GOV, qrp-1@Lehigh.EDU  
Subject: [19132] For Sale: Unbuilt Heath Color TV  
Message-ID: <868921d0.35edadbe@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Spring cleaning continues.

For Sale: an unbuilt Heath GR-900 24-inch color television. I'm selling it because it's quite large, taking up four large boxes, and I don't have room to store it.

This is a very, very nice kit. It's private labelled "Bell and Howell", and was offered by Bell and Howell as a color television course. (But otherwise it's a heath through and through) It's built in stages, and each stage constitutes a mini course on color televisions. As I understand it, the unit has internal test equipment, so that it can be aligned with a volt meter. The boxes are very clean, and the components inside are undisturbed in their original state and pristine.

The unit comes with a front bezel, but does not have a case. It's designed to be wall mounted, or built into a console case, which Heath sold separately.

I believe the unit is complete. I acquired it from a gentleman who purchased two units many years ago. This fellow built one and stored the other. However, as with all unbuilt kits, the unit is sold as-is, because it would be impossible to inventory such a complex kit.

I'm selling the unit for \$325, plus shipping. I will charge \$100 within the Continental U.S. (this is how much I paid for shipping to acquire it). So the total price is \$425 shipping included. I'll waive shipping for anyone who can pick this baby up in Charlottesville, Virginia. I'll ship upon receipt of a certified check or money order.

You can reach me by e-mail at "Robcap@aol.com".

73,

Rob, W3DX

-----  
Date: Wed, 2 Sep 1998 16:53:17 EDT  
From: RobCap@aol.com  
To: HEATH@LISTSERV.TEMPE.GOV, qrp-1@Lehigh.EDU  
Subject: [19133] For Sale: Rare Unbuilt Heath SA-5010 Micromatic Keyer  
Message-ID: <744ce9dc.35edb03d@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

For Sale: Unbuilt heath SA-5010 "micromatic" keyer.

This is Heath's last keyer product. The micromatic is a CMOS memory keyer with a membrane style keypad and built-in squeeze paddles (included). This is a real collector's item (of which I have three-- one to build and one for the collection) so it's going into the spring cleaning.

I'm selling this rare unbuilt kit for \$175, which includes UPS ground shipping, insured, within the continental U.S. I'll ship upon receipt of certified check or money order.

You can reach me by e-mail at "Robcap@aol.com".

73,

Rob, W3DX

-----  
Date: Wed, 2 Sep 1998 16:49:17 -0400  
From: Ronald\_A\_Pfeiffer@res.raytheon.com  
To: qrp-1@Lehigh.EDU  
Subject: [19134] WTB-Older Kenwood Batteries  
Message-ID: <85256673.0071E3E2.00@ressud-as01.res.ray.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii

Acquired an older Kenwood TH-315A 220MHZ 5watt HT at the Boxboro Hamfest. Only problem is battery is shot. I am looking for battery case BT-5 , NiCd Packs PB-1 or PB-2, and DC CABLE PG-2V.

So if you have these laying around gathering dust I'd appreciate a call!

Ron - N1ZSW

-----  
Date: Wed, 2 Sep 1998 16:04:37 -0500  
From: nilsbull@juno.com (Nils R Young)  
To: w4bws@juno.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [19135] Re: altturnative power generation  
Message-ID: <19980902.161256.9238.2.nilsbull@juno.com>

Mening dostumlar,

Funny the methane string. Actually, it might be a string chemically (I'll check with mening dostum Rishat about this), but either way, it ain't new stuff.

Saw a show many moons ago about the use of something I think was called low tech solutions to low tech problems. One was the massing of all animal & human waste (of the organic variety) into a huge hopper in a number of Indian villages. Someone would occasionally stir the stuff, probably with a very long stick. From a vent pipe at the top of the pit in which this waste was accumulated came methane gas (and a probable couple other gases) that were flammable & used for heating & cooking. (Yeah, I hear you now . . . but remember, these are folks for whom a 25 lb/13 kg sack of basmati rice is a bountiful gift from Krishna himself.)

I'd venture that the flame could also be used to boil water to run a generator or some such.

The idea of using renewable or natural power sources is not lost on this old hippie. I often think, when I walk from one air conditioned building to another, of how much the beautiful day is kept from us by the tinted glass and leaking automatic doors.

Maybe the Sierra will be impetus for more considerations of all this junk I've got extra of.

Or something.

73

Nils

-----  
-----  
Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch  
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com  
<http://www.geocities.com/Athens/Olympus/9172>

-----  
  
Date: Wed, 2 Sep 1998 17:05:18 -0400  
From: "James Fielden" <fielden@utkx.utcc.utk.edu>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [19136] Book & Stuff  
Message-ID: <01bdd6b5\$63e4b700\$ad16a980@galaxian>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Wow, I got a neat book in the mail today, Solid-State QRP Projects by Edward M. Noll, First Edition (c) 1970..I guess it's a bit old but so are you HI  
HI

I had a Pixie-2 Question, on the parts list it calls for a 15 - 22 uH choke. does that mean I need a var-choke or does it just mean I can use anywhere from 15 to 22 uH. Also anyone know what all I would need to do to put it on 30 Meter, put in 10,116 crystal and maybe change L3 to a .8613925 uH? or something like that (anyone done it)?

73               \*           Jim, KU4QW  
fielden@utkux.utcc.utk.edu  
<http://www.qsl.net/ku4qw/>

-----  
Date: Wed, 2 Sep 1998 17:06:23 EDT  
From: RobCap@aol.com  
To: HEATH@LISTSERV.TEMPE.GOV, qrp-1@Lehigh.EDU  
Subject: [19137] For Sale: Unbuilt Heathkit VLF Converter  
Message-ID: <228f1e3f.35edb34f@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

This is the last of the seven unbuilt sets that are part of my Spring (Fall?) cleaning. I may have one or two more pieces for sale in the next few weeks.

For Sale: Unbuilt VLF converter, model HD-1420.

This is a nice little kit for exploring the world of Very Low Frequency. It converts CW signals from 3.510 to 4.010 Mhz to 10Khz to 500 Khz.

I'm selling this unbuilt kit for \$60, which includes UPS ground shipping, insured, within the continental U.S. I'll ship upon receipt of personal check or money order.

You can reach me by e-mail at "Robcap@aol.com".

73,

Rob, W3DX



-----  
Date: Wed, 02 Sep 1998 21:19:52 GMT  
From: nhoop@centuryinter.net (N H)  
To: barmstrong@mail.SISNA.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [19138] Re: 20 meter rig needed  
Message-ID: <35f0b62b.14097068@mail.ot.centuryinter.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'm afraid I don't know what qualifies as "small, lightweight" these days. So please don't flame me if I'm way off base. I still have that Ten-Tec Century 22 for sale (\$250). It weighs about 6 lbs and is 10" sq x 4" high.

Nat KM5QU

>Does anyone on the list have a small, lightweight rig in excess that they  
>want to sell? It must be dependable and free of problems. I suggested a  
>MFJ 9020, which he found interesting. Other suggestions whould be appreciated.  
>  
>Send me a note and I will forward it to him.  
>  
>de N7XJ, Bob in Central Utah  
>

-----  
Date: Wed, 2 Sep 1998 17:28:32 -0400  
From: "Brian Tesseneare" <tessenearebh@coastalnet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [19139] Low Power  
Message-ID: <000101bdd6b8\$a610fe60\$182db7cc@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ive been in ham radio the past 5 or 6 years, but Ive only been active for a couple of months. Im looking into low power dxing, what are some of the common characteristics, if there is any, of making a station efficient on a

small amount of power. I appreciate it greatly.

Brian, kd4sak

-----  
Date: Wed, 2 Sep 1998 17:28:32 -0400  
From: cy r currier <crc3@telplus.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'nilsbull@juno.com'"  
<nilsbull@juno.com>  
Subject: [19140] RE: altunative power generation  
Message-ID: <01BDD697.71438CA0@bgr51.lobster.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

that was in the mother earth news. there was a pig farm w no smell because  
the by product was sent to the methane generator.  
a chap in england used a large pressure cooker type arrangement which probably  
nearer the needs of readers here. cy - k1tes

-----  
From: Nils R Young  
Sent: Wednesday, September 02, 1998 5:04 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: altunative power generation

Mening dostumlar,

Funny the methane string. Actually, it might be a string chemically (I'll  
check with mening dostum Rishat about this), but either way, it ain't new  
stuff.

Saw a show many moons ago about the use of something I think was called  
low tech solutions to low tech problems. One was the massing of all  
animal & human waste (of the organic variety) into a huge hopper in a  
number of Indian villages. Someone would occasionally stir the stuff,  
probably with a very long stick. From a vent pipe at the top of the pit  
in which this waste was accumulated came methane gas (and a probable  
couple other gases) that were flammable & used for heating & cooking.  
(Yeah, I hear you now . . . but remember, these are folks for whom a 25  
lb/13 kg sack of basmati rice is a bountiful gift from Krishna himself.)

I'd venture that the flame could also be used to boil water to run a  
generator or some such.

The idea of using renewable or natural power sources is not lost on this old hippie. I often think, when I walk from one air conditioned building to another, of how much the beautiful day is kept from us by the tinted glass and leaking automatic doors.

Maybe the Sierra will be impetus for more considerations of all this junk I've got extra of.

Or something.

73

Nils

-----  
Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch

WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com

<http://www.geocities.com/Athens/Olympus/9172>

-----  
Date: Wed, 02 Sep 1998 14:34:46 PDT

From: "Brad Hernlem" <alihernlem@hotmail.com>

To: qrp-1@Lehigh.EDU

Subject: [19141] More on "polyvaricon"

Message-ID: <19980902213447.19083.qmail@hotmail.com>

Content-Type: text/plain

Circuit Specialists ([www.cir.com](http://www.cir.com)) lists the following:

AM-Multiband Tuner

2 Section

Section 1: 5.0 to 266 pF

Section 2: 5.0 to 266 pF

Two-7 pF Trimmers per Section

Q: 700 @ 100 MHz, 50 pF

Cat No. 24TR218

Price each

1	10	100
\$1.99	\$1.75	\$1.66

Brad

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Wed, 02 Sep 1998 16:37:03 -0500  
From: Mike Souhrada <wb9iog@revealed.net>  
To: qrp-l@Lehigh.EDU  
Subject: [19142] What's available 40 Mtr QRP (WTB) & R/S Deal!  
Message-ID: <35EDBA7F.3F31@revealed.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Some time ago I built the OHR100A in the 20 meter version.  
I didn't use it much because I'm a night time person. So  
I sold the unit.  
I saw two posts on the TT unit the other day but for some  
reason I feel the OHR 100A is a little better unit.  
Am I wrong?

Second any one got a 40 meter unit built/unbuilt that is  
reasonably priced.

FYI

One other item, I wandered into R/S today and spotted  
Cat 21-524 SWR/Power Meter for \$14.97. Had to pick one up  
for QRP application. The low wattage is 20 and should be  
pretty good. Also realized it is also a Peak Reading meter  
for SSB. You might want to check that out in your area.

Mike

Le Claire, Ia

-----  
Date: Wed, 2 Sep 1998 14:44:18 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [19143] [CQ-Contest] CQ 160 committee issues (3) (fwd)  
Message-ID: <Pine.SOL.3.96.980902144313.9344L-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

If anyone likes doing the ARRL 160m contest with QRP  
you might want to send them your opinion:

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

----- Forwarded message -----

Date: Wed, 2 Sep 1998 13:10:42 -0400 (EDT)  
From: thompson@mindspring.com  
To: cq-contest@contesting.com  
Subject: [CQ-Contest] CQ 160 committee issues (3)

The CQ WW 160 meter Contest Committee has three items on the table for discussion. Please feel free to post this on any club bulletin board. Notice the closing date for comments on each. Any changes would begin with the 2000 contests except where noted:

Item 1.0 Stations operating from disputed areas with calls not assigned by proper authorities will not be allowed to compete for awards in the contests and will be listed as check logs. These contacts will be similar to maritime mobile contacts for credit (no multipliers). Immediate implementation. Applies to 1998 and forward.

1.1 Alternative to 1.0. Contacts with stations operating with improper calls as in 1.0 will not count for points credit. Applies to year 2000 on if adopted.

Examples of such stations include call prefixes include (improper/correct):  
1X/UA; 4N4, 404, YU4, YT4, YZ4/T9; 1B/5B4

ITEM 2.0 DX stations will send a preselected number (of their choice). This number is to be between 00 and 999 (3 digits max, 2 min). Suggested is age or power. This is proposed as the location currently sent is confusing.

ITEM 3.0 There has been numerous claims and counterclaims about QRP participants. The proposal is to eliminate the QRP category and have two levels: Low power to 200W output and high power anything above 200W output.

Item 3.1 Alternative to 3.0 Add single operator assisted and make low power be 100W output.

Cut off date for all items is 1 December 1998. Send your ideas (please be brief) to cq160@contesting.com or the Director via mail.

Please note Item 1.0 cut off date is 15 September 1998 as this needs to be reflected in the 1998 results to be printed in the December 1998 CQ magazine. All or none of the issues may or may not be adopted!

Dave Thompson K4JRB  
CQ WW 160 Contests Director  
4166 Mill Stone Court  
Norcross, GA 30092 USA

--  
CQ-Contest on WWW: [http://www.contesting.com/\\_cq-contest/](http://www.contesting.com/_cq-contest/)  
Administrative requests: [cq-contest-REQUEST@contesting.com](mailto:cq-contest-REQUEST@contesting.com)

-----  
Date: Wed, 2 Sep 1998 18:00:32 -0400  
From: "Beaks" <beaks@westco.net>  
To: "qrp-l" <qrp-l@Lehigh.EDU>  
Subject: [19144] Thanks N9WR !!  
Message-ID: <013e01bdd6bd\$1bc68540\$834ff5cd@beaks>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks Don, your package arrived here on Monday and that took care of my problem. Very kind of you to include the spare part also. 72 and thanks again...Arch N8EAG

-----  
Date: Wed, 2 Sep 1998 18:04:41 -0400  
From: n2tpa@juno.com (Bill d Lazure)  
To: alenm@hermes.si  
Cc: QRP-L@Lehigh.EDU  
Subject: [19145] Re: Qrp balun design  
Message-ID: <19980902.180447.7542.1.N2TPA@juno.com>

Alen,

I just recently built two 4:1 baluns out of FT50-43 cores. Took about 10 to 12 bifilar windings. Wiring appears in the ARRL Manual and Antenna Book.

N2TPA

On Wed, 2 Sep 1998 17:54:35 +0200 Alen Mitrovic <alenm@hermes.si> writes:

>Hi!

>

>I am looking for some schemes about qrp baluns 1:1(4:1) on toroid cores.

>I have made several baluns designed by W2FMI and used special K material: FT 240K&FT125K

>Now I am interested in small balluns wound on Amidon's T-50-X or FT-50-XX cores. Power rate<5W

>Maybe somebody has experimented with these kind of qrp baluns?

>

>Best 72/73 de Alen / S53MA

>

>

>

>> -----

>>

> Alen Mitrovic

>

> HERMES SoftLab Phone : ++386 61 1865 323

> Litijska 51 Fax : ++386 61

>1865 270

> 1000 Ljubljana

E - mail :

>alenm@hermes.si

> SLOVENIA

>:S53MA@hermes.si

> Europe

WebPage:

><http://www.hermes.si/>

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You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com>

Or call Juno at (800) 654-JUNO [654-5866]

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Date: Wed, 2 Sep 1998 18:27:09 EDT  
From: RobCap@aol.com  
To: HEATH@LISTSERV.TEMPE.GOV, qrp-1@Lehigh.EDU  
Subject: [19146] Unbuilt SK-107 is Gone  
Message-ID: <85d51786.35edc63d@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I can't believe it, but I had numerous offers on this ridiculous kit.

73,

Rob, W3DX

-----  
Date: Wed, 2 Sep 1998 18:27:50 EDT  
From: RobCap@aol.com  
To: HEATH@LISTSERV.TEMPE.GOV, qrp-1@Lehigh.EDU  
Subject: [19147] HW-8 Kit is Gone  
Message-ID: <7be6f29e.35edc666@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

The unbuilt HW-8 set has been sold.

73,

Rob, W3DX

-----  
Date: Wed, 2 Sep 1998 16:56:16 -0600  
From: "James R. Duffey" <ji3m@maxwell.com>  
To: qrp-1@Lehigh.EDU  
Subject: [19148] NERDS Antennas-KISS  
Message-ID: <v03007811b213757dd441@[199.120.49.102]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

All - Missed BUBBA this weekend.



I was taking number one daughter to her Freshman year at college (USC). Boy things have changed in colleges and Dorms since I went to college. They have an ethernet connection in their room, a microwave oven and refrigerator, two phones, and a cable TV box. (No TV yet). They have a meal ticket which has a discretionary portion that can be spent at a variety of on campus restaraunts, some quite nice, and a few that serve alcohol! I can't imagine what my college career would have been like if I could have used my meal ticket to buy beer!

I have been reviewing the list now that I am back and notice an ongoing discussion about which antennas are best for the NERDS contest. I would like to make a suggestion to all;

Keep it simple.

Rememeber you only have an hour to build and erect the antenna starting from scratch. I don't know about you, but even my simplest antenna projects take longer than that. Remember you have to measure, cut, (no-make that measure, double check, measure again, then cut), assemble, solder, maybe erect a mast, hoist onto a mast, check out, and fix anything that is wrong all within an hour. Lots of opportunity for Murphy to interfere. How are you going to solder those joints in the field anyway? Does Radio Shack still sell those butane soldering irons?

I suggest you consider antennas that can be erected with a minimum of fuss like random length wires either center fed or end fed. These don't require any measurement. Simple dipoles or loops are next, requiring only one or two semicritical measurements. Other antennas mentioned like a Yagi-Uda will require several critical measurements and may need some tweaking to match to the feedline. If you insist on a Yagi-Uda, the two element jobs will do nearly as good a job as the three element ones with simpler construction. Take a look at L. B.'s page.

Can of Worms Department;

Do the rules require installation of coaxial connectors to the feedline in the field as well?? Maybe another thing in favor of balanced feeders??

I am going into the field for this one as I missed BUBBA. Not certain of the site yet. What antenna am I going to build? 8^) 72 - Dr. Megacycle  
KK6MC/5

James R. Duffey      KK6MC/5   DM65tc   <jamesd1@flash.net>  
30 Casa Loma Road  
Cedar Crest NM 87008

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End of QRP-L Digest 1202

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